Mark C

Mark L

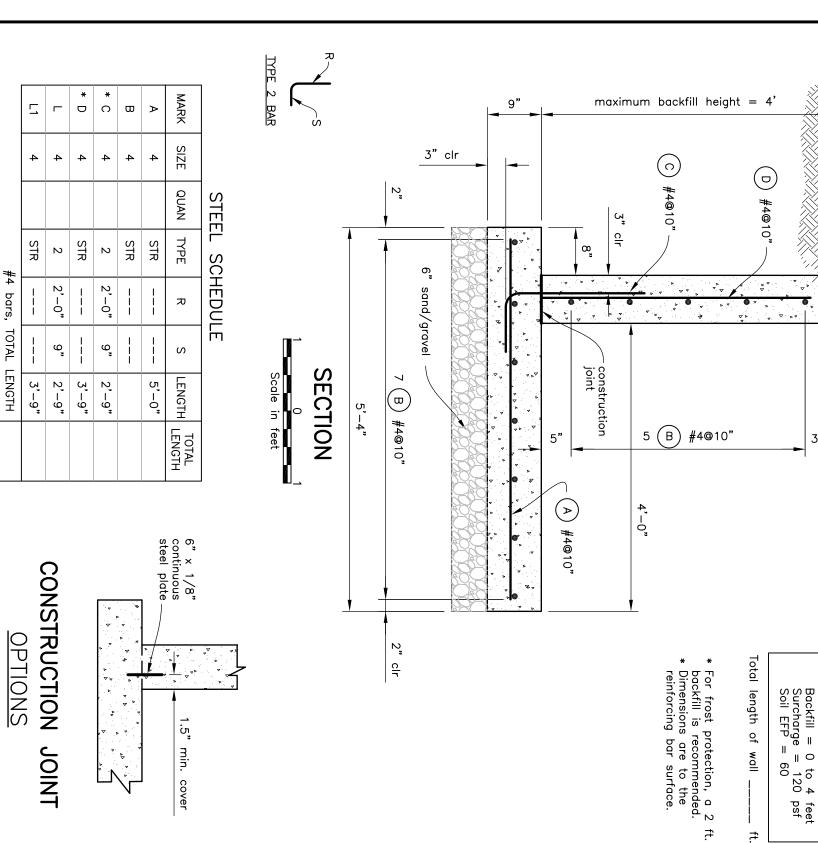
& []

bars not shown —

see wall corner detail.

Mark C & D bars may be combined to avoid splice Then Mark C bar is $4'-3" \times 9"$

Sandblasting or air—water cuttingSteel plate



ESTIMATED QUANTITIES

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3"

CONDITIONS OF USE

Steel Steel Concrete (35.0 ft./corner) (26.6 ft./lin. ft.) (0.25 cu. yds./lin **. : :** cu. yds.

* Concrete will meet Oregon Construction Specification * Minimum splice length for all #4 bars is 16 inches. * Steel quantity does not include splice lengths. * Substitution of grade 60 bars is permitted.

DESIGN NOTES

- Drainage shall be away for the wall.

 The minimum top width of the backfill against the wall shall be equal to than the backfill height.

or greater

- Maximum footing contact pressure is 710 psf/ft.

Concrete DESIGN STRENGTH:
Concrete fc = 3,500 psi

Working stress design fc = 1,400 psi

ŝ 20,000 psi. (40

grade)

Section IV of the Field Office Technical Guide) WALL DESIGN LOADING: 313 Standard Lateral earth pressure valves (See

- Manure load inside = 65 psf/ft
 Soil backfill load outside = 60 psf/ft
 120 psf horizontal surcharge of a 2:1 sloping backfill
 Soil backfill density = 100 pcf

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allowed

5 inch thick slab, safety factor against sliding 1.5 minimum

WALL RESTRAINT REQUIREME

NTS:

| 4 3 4 ft 1 ft | Backfill height (outside load) |
|---|---------------------------------|
| 39 ft 22 ft 9 ft no slab no slab | Slab length (no inside load) |
| no slab no slab no slab 2 ft ** 2 ft ** | Lab length (full inside load) |

** Minimum slab length of 2 feet required and must be tied into the wall footing.

Slab poured with wall footing:
#3 bars @ 18" spacing (minimum reinforcement)
Slab not poured with wall footing:
#3 dowel bars — 3'-0" length @ 8'-0" spacing.

This drawing requires supporting technical adapted to the specific site.

documentation prior to use and must be

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_4ft_wall_surcharge.

United States Department of Agriculture

FOOT WALL WITH SURCHARGE

ANIMAL WASTE

3/2005